EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2651	((spring or (flexible adj core)) same web).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/26 01:59
L2	0	((spring or (flexible adj core)) same web same (foam adj deck)).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/26 01:59
S1	127	foam same (thermally adj bonded)	USPAT	OR	OFF	2004/02/13 14:34
S2	618	(two near3 layer) near9 foam	USPAT	OR	OFF	2004/02/13 14:21
S3	4	(foam same (thermally adj bonded)) and ((two near3 layer) near9 foam)	USPAT	OR	OFF	2004/02/13 14:27
S4	1	("4476183").PN.	USPAT; USOCR	OR	OFF	2004/02/13 14:27
S5	85	foam same ('inner-spring' or (inner adj spring))	USPAT	OR	OFF	2004/02/13 14:35
S6	17	(foam same ('inner-spring' or (inner adj spring))) not "5"/$.ccls.	USPAT	OR	OFF	2004/02/13 14:40
S7	8	(foam same ('inner-spring' or (inner adj spring))) not mattress	USPAT	OR	OFF	2004/02/13 15:07
S8	5	(("5048167") or ("5469590") or ("5467488") or ("5537699") or ("5787532")).PN.	USPAT; USOCR	OR	OFF	2004/02/13 15:48
S9	4	(("5133116") or ("5239715") or ("5467488") or ("5687439")).PN.	USPAT; USOCR	OR	OFF	2004/06/07 22:23
S10	162	(5/717).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2004/02/13 16:39
S11	16	((5/717).CCLS.) and polyethylene	USPAT	OR	OFF	2004/02/13 16:44
S12	3530128	polyethylene or 'thermo-plastic' or (thermo adj plastic) or thermoplastic or thermal$2 or bond$3 or weld$ or fus$3	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/02/14 14:23
S13	2336924	spring or 'inner-spring' or innerspring or wire	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/02/13 16:47
S14	2336924	spring or 'inner-spring' or innerspring or wire	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/02/13 17:05

EAST Search History

S15	302141	(bond$3 or weld$ or fus$3) near8 (therm$5 or heat$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/02/13 16:49
S16	75466	(polyethylene or 'thermo-plastic' or (thermo adj plastic) or thermoplastic or thermal$2 or bond$3 or weld$ or fus$3) and (spring or 'inner-spring' or innerspring or wire) and ((bond$3 or weld$ or fus$3) near8 (therm$5 or heat$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/02/13 16:49
S17	281607	(polyethylene or 'thermo-plastic' or (thermo adj plastic) or thermoplastic or thermal$2 or bond$3 or weld$ or fus$3) same (spring or 'inner-spring' or innerspring or wire)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/02/13 16:49
S18	302141	(bond$3 or weld$ or fus$3) near8 (therm$5 or heat$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/02/13 17:06
S19	45978	((polyethylene or 'thermo-plastic' or (thermo adj plastic) or thermoplastic or thermal$2 or bond$3 or weld$ or fus$3) same (spring or 'inner-spring' or innerspring or wire)) and ((bond$3 or weld$ or fus$3) near8 (therm$5 or heat$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/02/13 16:51
S20	101	(((polyethylene or 'thermo-plastic' or (thermo adj plastic) or thermoplastic or thermal$2 or bond$3 or weld$ or fus$3) same (spring or 'inner-spring' or innerspring or wire)) and ((bond$3 or weld$ or fus$3) near8 (therm$5 or heat$4))) and "5"/$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/02/13 16:51
S21	550828	polyethylene or 'thermo-plastic' or (thermo adj plastic) or thermoplastic or thermal$2 or bond$3 or welded or welding or fus$3	USOCR	OR	OFF	2004/02/14 14:23
S22	921225	spring or 'inner-spring' or innerspring or wire	USOCR	OR	OFF	2004/02/13 17:05

EAST Search History

S23	162678	(polyethylene or 'thermo-plastic' or (thermo adj plastic) or thermoplastic or thermal$2 or bond$3 or welded or welding or fus$3) same (spring or 'inner-spring' or innerspring or wire)	USOCR	OR	OFF	2004/02/13 17:05
S24	49887	(bond$3 or welded or welding or fus$3) near8 (therm$5 or heat$4)	USOCR	OR	OFF	2004/02/13 17:06
S25	15727	((polyethylene or 'thermo-plastic' or (thermo adj plastic) or thermoplastic or thermal$2 or bond$3 or welded or welding or fus$3) same (spring or 'inner-spring' or innerspring or wire)) and ((bond$3 or welded or welding or fus$3) near8 (therm$5 or heat$4))	USOCR	OR	OFF	2004/02/13 17:06
S26	25949	"5"/$.ccls.	USOCR	OR	OFF	2004/02/13 17:06
S27	30	(((polyethylene or 'thermo-plastic' or (thermo adj plastic) or thermoplastic or thermal$2 or bond$3 or welded or welding or fus$3) same (spring or 'inner-spring' or innerspring or wire)) and ((bond$3 or welded or welding or fus$3) near8 (therm$5 or heat$4))) and "5"/$.ccls.	USOCR	OR	OFF	2004/02/13 18:37
S28	444	(5/716-721).CCLS.	USOCR	OR	OFF	2004/02/13 18:40
S29	0	("12and31").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2004/02/13 18:39
S30	69	((5/716-721).CCLS.) and (polyethylene or 'thermo-plastic' or (thermo adj plastic) or thermoplastic or thermal$2 or bond$3 or welded or welding or fus$3)	USOCR	OR	OFF	2004/02/13 20:52
S31	11	"3262135".URPN.	USPAT	OR	OFF	2004/02/13 18:48
S32	0	"3010122".URPN.	USPAT	OR	OFF	2004/02/13 18:55
S33	0	"3010122".URPN.	USPAT	OR	OFF	2004/02/13 18:55
S34	185	(polyethylene or 'thermo-plastic' or (thermo adj plastic) or thermoplastic or thermal$2 or bond$3 or weld$ or fus$3) and ((5/716-721).CCLS.)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/02/13 20:52

EAST Search History

S35	9	"5133116".URPN.	USPAT	OR	OFF	2004/02/13 20:24
S36	9	"5787532".URPN.	USPAT	OR	OFF	2004/02/13 20:25
S37	466	((5/654.1) or (5/655.9) or (5/655.7) or (5/642)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2004/02/13 20:51
S38	201	((5/654.1) or (5/655.9) or (5/655.7) or (5/642)).CCLS.	USOCR	OR	OFF	2004/02/13 20:51
S39	550828	(polyethylene or 'thermo-plastic' or (thermo adj plastic) or thermoplastic or thermal$2 or bond$3 or welded or welding or fus$3)	USOCR	OR	OFF	2004/02/13 20:52
S40	3530128	(polyethylene or 'thermo-plastic' or (thermo adj plastic) or thermoplastic or thermal$2 or bond$3 or weld$ or fus$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/02/13 23:10
S41	55	(((5/654.1) or (5/655.9) or (5/655.7) or (5/642)).CCLS.) and ((polyethylene or 'thermo-plastic' or (thermo adj plastic) or thermoplastic or thermal$2 or bond$3 or welded or welding or fus$3))	USOCR	OR	OFF	2004/02/13 20:53
S42	92	(((5/654.1) or (5/655.9) or (5/655.7) or (5/642)).CCLS.) and ((polyethylene or 'thermo-plastic' or (thermo adj plastic) or thermoplastic or thermal$2 or bond$3 or weld$ or fus$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/02/13 21:14
S43	908	(5/716-721).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2004/02/13 21:26
S44	30	"4286344".URPN.	USPAT	OR	OFF	2004/02/13 22:20
S45	399	(((5/654.1) or (5/655.9) or (5/655.7) or (5/642)).CCLS.) not ((5/716-721).CCLS.)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/02/13 23:10
S46	550828	polyethylene or 'thermo-plastic' or (thermo adj plastic) or thermoplastic or thermal$2 or bond$3 or welded or welding or fus$3	USOCR	OR	OFF	2004/02/14 14:47

EAST Search History

S47	3530128	polyethylene or 'thermo-plastic' or (thermo adj plastic) or thermoplastic or thermal$2 or bond$3 or weld$ or fus$3	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/02/22 14:17

| S48 | 291 | (("20030229943") or ("5461737") or ("5040255") or ("3857133") or ("6158071") or ("5724686") or ("5636396") or ("3855653") or ("3906560") or ("3307207") or ("2996733") or ("2812014") or ("2512007") or ("3719963") or ("3459611") or ("3315283") or ("3255469") or ("3178735") or ("3099021") or ("3070814") or ("3010122") or ("3032782") or ("2862214") or ("2794991") or ("2606996") or ("2585415") or ("2507586") or ("20020010962") or ("6647574") or ("5787532") or ("5537699") or ("5133116") or ("20020166175") or ("6568014") or ("5062172") or ("4286344") or ("4067076") or ("3981033") or ("3848283") or ("3618146") or ("3262135") or ("2826769") or ("2146059") or ("2029076") or ("2047695") or ("1860293") or ("1865043") or ("1870045") or ("1823669") or ("1859340") or ("1760424") or ("1801411") or ("1745986") or ("1755714") or ("1576738") or ("1682394") or ("1205135") or ("0250875") or ("2211401") or ("2563421") or ("6212720") or ("5513401") or ("4811439") or ("3920609") or ("3869739") or ("6023803") or ("2821243") or ("2784773") or ("20030019043") or ("20020144352") or ("6128798") or ("5222264") or ("4768253") or ("4476595") or ("4429427") or ("4245363") or ("3493980") or ("3262135") or ("3255469") or ("3178735") or ("3099021") or ("3111690") or ("3010122") or ("2940089") or ("2925856") or ("2927330") or ("2862214") or ("2826769") or ("2673357") or ("2615180") or ("2610333") or ("2606996") or ("2540441") or ("2562099") or ("2507586") or ("2446775") or ("2313443") or ("2273064") or ("2244543") or ("2218478") or ("2217955") or ("2200011") or ("2146059") or ("1955583") or ("1906893") or ("1865043") or ("0977508") or ("0250875") or ("2168250") or ("3426570") or ("0100958") or ("5327596") or ("2265304") or ("3140340")).PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2004/02/14 14:30 |

EAST Search History

| S49 | 52 | (polyethylene or 'thermo-plastic' or (thermo adj plastic) or thermoplastic or thermal$2 or bond$3 or weld$ or fus$3) and ((("20030229943") or ("5461737") or ("5040255") or ("3857133") or ("6158071") or ("5724686") or ("5636396") or ("3855653") or ("3906560") or ("3307207") or ("2996733") or ("2812014") or ("2512007") or ("3719963") or ("3459611") or ("3315283") or ("3255469") or ("3178735") or ("3099021") or ("3070814") or ("3010122") or ("3032782") or ("2862214") or ("2794991") or ("2606996") or ("2585415") or ("2507586") or ("20020010962") or ("6647574") or ("5787532") or ("5537699") or ("5133116") or ("20020166175") or ("6568014") or ("5062172") or ("4286344") or ("4067076") or ("3981033") or ("3848283") or ("3618146") or ("3262135") or ("2826769") or ("2146059") or ("2029076") or ("2047695") or ("1860293") or ("1865043") or ("1870045") or ("1823669") or ("1859340") or ("1760424") or ("1801411") or ("1745986") or ("1755714") or ("1576738") or ("1682394") or ("1205135") or ("0250875") or ("2211401") or ("2563421") or ("6212720") or ("5513401") or ("4811439") or ("3920609") or ("3869739") or ("6023803") or ("2821243") or ("2784773") or ("20030019043") or ("20020144352") or ("6128798") or ("5222264") or ("4768253") or ("4476595") or ("4429427") or ("4245363") or ("3493980") or ("3262135") or ("3255469") or ("3178735") or ("3099021") or ("3111690") or ("3010122") or ("2940089") or ("2925856") or ("2927330") or ("2862214") or ("2826769") or ("2673357") or ("2615180") or ("2610333") or ("2606996") or ("2540441") or ("2562099") or ("2507586") or ("2446775") or ("2313443") or ("2273064") or ("2244543") or ("2218478") or ("2217955") or ("2200011") or ("2146059") or ("1955583") or ("1906893") or ("1865043") or ("0077508") or | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/02/14 14:30 |

EAST Search History

S50	2407225	'thermo-plastic' or (thermo adj plastic) or thermoplastic or thermal$2 or welded or welding or fus$3	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/02/14 14:48
S51	1316	('thermo-plastic' or (thermo adj plastic) or thermoplastic or thermal$2 or welded or welding or fus$3) same (urethane adj foam)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/02/14 14:49
S52	1	(('thermo-plastic' or (thermo adj plastic) or thermoplastic or thermal$2 or welded or welding or fus$3) near7 (urethane adj foam)) and "5"/$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/02/14 14:49
S53	464	('thermo-plastic' or (thermo adj plastic) or thermoplastic or thermal$2 or welded or welding or fus$3) near7 (urethane adj foam)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/02/14 14:53
S54	1074036	bed or mattress or chair or cushion or pad$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/02/14 14:54
S55	87	(('thermo-plastic' or (thermo adj plastic) or thermoplastic or thermal$2 or welded or welding or fus$3) near7 (urethane adj foam)) and (bed or mattress or chair or cushion or pad$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/02/14 14:54
S56	0	"4286344".pn. and poly$	USPAT	OR	OFF	2004/02/14 15:35
S57	3530128	polyethylene or 'thermo-plastic' or (thermo adj plastic) or thermoplastic or thermal$2 or bond$3 or weld$ or fus$3	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/02/14 15:35
S58	1	"4286344".pn.	USPAT	OR	OFF	2004/02/14 15:35
S59	0	(polyethylene or 'thermo-plastic' or (thermo adj plastic) or thermoplastic or thermal$2 or bond$3 or weld$ or fus$3) and "4286344".pn.	USPAT	OR	OFF	2004/02/14 15:35
S60	506093	(thermal$3 or heat$3) near4 (bond$3 or fuse$1 or weld$3 or adher$3 or stick$3 or bind$3 or attach$3 or connect$3 or join$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/02/22 19:30

EAST Search History

S61	17851	((thermal$3 or heat$3) near4 (bond$3 or fuse$1 or weld$3 or adher$3 or stick$3 or bind$3 or attach$3 or connect$3 or join$3)) near8 (polyethylene or 'thermo-plastic' or (thermo adj plastic) or thermoplastic or foam or polyurethane or polystyrene)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/02/22 14:19
S62	7378	((thermal$3 or heat$3) near4 (bond$3 or fuse$1 or weld$3 or adher$3 or stick$3 or bind$3 or attach$3 or connect$3 or join$3)) near8 (polyethylene or foam or polyurethane or polystyrene)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/02/22 19:34
S63	6231	((thermal$3 or heat$3) near4 (bond$3 or fuse$1 or weld$3 or adher$3 or stick$3 or bind$3 or attach$3 or connect$3 or join$3)) near8 (polyethylene or foam)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/02/22 14:22
S64	2794	((thermal$3 or heat$3) near4 (bond$3 or fuse$1 or weld$3 or adher$3 or stick$3 or bind$3 or attach$3 or connect$3 or join$3)) near8 (foam)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/02/22 14:22
S65	126	(((thermal$3 or heat$3) near4 (bond$3 or fuse$1 or weld$3 or adher$3 or stick$3 or bind$3 or attach$3 or connect$3 or join$3)) near8 (foam)) same (bed or mattress or seat or cushion)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/02/22 14:23
S66	133	((thermal$3 or heat$3) near4 (bond$3 or fuse$1 or weld$3 or adher$3 or stick$3 or bind$3 or attach$3 or connect$3 or join$3)) near8 (polyethylene and foam)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/02/22 14:37
S67	39	(((thermal$3 or heat$3) near4 (bond$3 or fuse$1 or weld$3 or adher$3 or stick$3 or bind$3 or attach$3 or connect$3 or join$3)) near8 (polyethylene and foam)) and (bed or mattress or seat or cushion)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/02/22 14:38
S68	310	((thermal$3 or heat$3) near4 (bond$3 or fuse$1 or weld$3 or adher$3 or stick$3 or bind$3 or attach$3 or connect$3 or join$3)) near8 ($urethane and foam)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/02/22 14:38

S69	63	((((thermal$3 or heat$3) near4 (bond$3 or fuse$1 or weld$3 or adher$3 or stick$3 or bind$3 or attach$3 or connect$3 or join$3)) near8 ($urethane and foam)) and (bed or mattress or seat or cushion)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/02/22 14:45
S70	1	("3857133").PN.	USPAT; USOCR	OR	OFF	2004/02/22 14:45

| S71 | 300 | (("6158071") or ("5724686") or ("5636396") or ("3906560") or ("3855653") or ("5787532") or ("5537699") or ("5133116") or ("20020166175") or ("6568014") or ("5062172") or ("4286344") or ("4067076") or ("3981033") or ("3848283") or ("3618146") or ("3262135") or ("2826769") or ("2146059") or ("2047695") or ("2029076") or ("1865043") or ("1870045") or ("1859340") or ("1860293") or ("1801411") or ("1823669") or ("1755714") or ("1760424") or ("1682394") or ("1745986") or ("1205135") or ("1576738") or ("0250875") or ("2211401") or ("2563421") or ("20030229943") or ("5461737") or ("5040255") or ("3307207") or ("2996733") or ("2812014") or ("2512007") or ("3719963") or ("3459611") or ("3315283") or ("3255469") or ("3178735") or ("3099021") or ("3070814") or ("3010122") or ("3032782") or ("2862214") or ("2794991") or ("2606996") or ("2585415") or ("2507586") or ("1906893") or ("1865043") or ("0977508") or ("0250875") or ("2168250") or ("3426570") or ("0100958") or ("5327596") or ("2265304") or ("3140340") or ("20020010962") or ("6647574") or ("6212720") or ("5513401") or ("4811439") or ("3920609") or ("3869739") or ("6023803") or ("2784773") or ("2821243") or ("20020144352") or ("20030019043") or ("6128798") or ("5222264") or ("4768253") or ("4476595") or ("4429427") or ("4245363") or ("3493980") or ("3262135") or ("3255469") or ("3178735") or ("3111690") or ("3099021") or ("3010122") or ("2940089") or ("2925856") or ("2927330") or ("2862214") or ("2826769") or ("2673357") or ("2615180") or ("2610333") or ("2606996") or ("2540441") or ("2562099") or ("2507586") or ("2446775") or ("2313443") or ("2273064") or ("2244543") or ("2218478") or ("2217955") or ("2200011") or ("2146059") or ("1955583") or ("4842026") or ("11347422") or | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2004/02/22 17:46 |

EAST Search History

S72	103929	(thermal$3 or heat$3) near4 (bond$3 or fuse$1 or weld$3 or adher$3 or stick$3 or bind$3 or attach$3 or connect$3 or join$3)	USOCR	OR	OFF	2004/02/22 15:52
S73	716	((thermal$3 or heat$3) near4 (bond$3 or fuse$1 or weld$3 or adher$3 or stick$3 or bind$3 or attach$3 or connect$3 or join$3)) near8 (polyethylene or foam or polyurethane or polystyrene)	USOCR	OR	OFF	2004/02/22 15:52

| S74 | 66 | (("6158071") or ("5724686") or ("5636396") or ("3906560") or ("3855653") or ("5787532") or ("5537699") or ("5133116") or ("20020166175") or ("6568014") or ("5062172") or ("4286344") or ("4067076") or ("3981033") or ("3848283") or ("3618146") or ("3262135") or ("2826769") or ("2146059") or ("2047695") or ("2029076") or ("1865043") or ("1870045") or ("1859340") or ("1860293") or ("1801411") or ("1823669") or ("1755714") or ("1760424") or ("1682394") or ("1745986") or ("1205135") or ("1576738") or ("0250875") or ("2211401") or ("2563421") or ("20030229943") or ("5461737") or ("5040255") or ("3307207") or ("2996733") or ("2812014") or ("2512007") or ("3719963") or ("3459611") or ("3315283") or ("3255469") or ("3178735") or ("3099021") or ("3070814") or ("3010122") or ("3032782") or ("2862214") or ("2794991") or ("2606996") or ("2585415") or ("2507586") or ("1906893") or ("1865043") or ("0977508") or ("0250875") or ("2168250") or ("3426570") or ("0100958") or ("5327596") or ("2265304") or ("3140340") or ("20020010962") or ("6647574") or ("6212720") or ("5513401") or ("4811439") or ("3920609") or ("3869739") or ("6023803") or ("2784773") or ("2821243") or ("20020144352") or ("20030019043") or ("6128798") or ("5222264") or ("4768253") or ("4476595") or ("4429427") or ("4245363") or ("3493980") or ("3262135") or ("3255469") or ("3178735") or ("3111690") or ("3099021") or ("3010122") or ("2940089") or ("2925856") or ("2927330") or ("2862214") or ("2826769") or ("2673357") or ("2615180") or ("2610333") or ("2606996") or ("2540441") or ("2562099") or ("2507586") or ("2446775") or ("2313443") or ("2273064") or ("2244543") or ("2218478") or ("2217955") or ("2200011") or ("2146059") or ("1955583") or ("4842026") or ("11247422") or | USOCR | OR | OFF | 2004/02/22 15:52 |

| S75 | 6 | (((thermal$3 or heat$3) near4 (bond$3 or fuse$1 or weld$3 or adher$3 or stick$3 or bind$3 or attach$3 or connect$3 or join$3)) near8 (polyethylene or foam or polyurethane or polystyrene)) and (((("6158071") or ("5724686") or ("5636396") or ("3906560") or ("3855653") or ("5787532") or ("5537699") or ("5133116") or ("20020166175") or ("6568014") or ("5062172") or ("4286344") or ("4067076") or ("3981033") or ("3848283") or ("3618146") or ("3262135") or ("2826769") or ("2146059") or ("2047695") or ("2029076") or ("1865043") or ("1870045") or ("1859340") or ("1860293") or ("1801411") or ("1823669") or ("1755714") or ("1760424") or ("1682394") or ("1745986") or ("1205135") or ("1576738") or ("0250875") or ("2211401") or ("2563421") or ("20030229943") or ("5461737") or ("5040255") or ("3307207") or ("2996733") or ("2812014") or ("2512007") or ("3719963") or ("3459611") or ("3315283") or ("3255469") or ("3178735") or ("3099021") or ("3070814") or ("3010122") or ("3032782") or ("2862214") or ("2794991") or ("2606996") or ("2585415") or ("2507586") or ("1906893") or ("1865043") or ("0977508") or ("0250875") or ("2168250") or ("3426570") or ("0100958") or ("5327596") or ("2265304") or ("3140340") or ("20020010962") or ("6647574") or ("6212720") or ("5513401") or ("4811439") or ("3920609") or ("3869739") or ("6023803") or ("2784773") or ("2821243") or ("20020144352") or ("20030019043") or ("6128798") or ("5222264") or ("4768253") or ("4476595") or ("4429427") or ("4245363") or ("3493980") or ("3262135") or ("3255469") or ("3178735") or ("3111690") or ("3099021") or ("3010122") or ("2940089") or ("2925856") or ("2927330") or ("2862214") or ("2826769") or ("2673357") or ("2615180") or ("2610333") or ("2606996") or ("2549441") or ("2562000") or | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/02/22 15:53 |

| S76 | 18 | (((("6158071") or ("5724686") or ("5636396") or ("3906560") or ("3855653") or ("5787532") or ("5537699") or ("5133116") or ("20020166175") or ("6568014") or ("5062172") or ("4286344") or ("4067076") or ("3981033") or ("3848283") or ("3618146") or ("3262135") or ("2826769") or ("2146059") or ("2047695") or ("2029076") or ("1865043") or ("1870045") or ("1859340") or ("1860293") or ("1801411") or ("1823669") or ("1755714") or ("1760424") or ("1682394") or ("1745986") or ("1205135") or ("1576738") or ("0250875") or ("2211401") or ("2563421") or ("20030229943") or ("5461737") or ("5040255") or ("3307207") or ("2996733") or ("2812014") or ("2512007") or ("3719963") or ("3459611") or ("3315283") or ("3255469") or ("3178735") or ("3099021") or ("3070814") or ("3010122") or ("3032782") or ("2862214") or ("2794991") or ("2606996") or ("2585415") or ("2507586") or ("1906893") or ("1865043") or ("0977508") or ("0250875") or ("2168250") or ("3426570") or ("0100958") or ("5327596") or ("2265304") or ("3140340") or ("20020010962") or ("6647574") or ("6212720") or ("5513401") or ("4811439") or ("3920609") or ("3869739") or ("6023803") or ("2784773") or ("2821243") or ("20020144352") or ("20030019043") or ("6128798") or ("5222264") or ("4768253") or ("4476595") or ("4429427") or ("4245363") or ("3493980") or ("3262135") or ("3255469") or ("3178735") or ("3111690") or ("3099021") or ("3010122") or ("2940089") or ("2925856") or ("2927330") or ("2862214") or ("2826769") or ("2673357") or ("2615180") or ("2610333") or ("2606996") or ("2540441") or ("2562099") or ("2507586") or ("2446775") or ("2313443") or ("2273064") or ("2244543") or ("2218478") or ("2217955") or ("2200011") or ("2146059") or ("1955583") or ("4843026") or ("11247433") or | USOCR | OR | OFF | 2004/02/22 15:55 |

| S77 | 0 | ((("6158071") or ("5724686") or ("5636396") or ("3906560") or ("3855653") or ("5787532") or ("5537699") or ("5133116") or ("20020166175") or ("6568014") or ("5062172") or ("4286344") or ("4067076") or ("3981033") or ("3848283") or ("3618146") or ("3262135") or ("2826769") or ("2146059") or ("2047695") or ("2029076") or ("1865043") or ("1870045") or ("1859340") or ("1860293") or ("1801411") or ("1823669") or ("1755714") or ("1760424") or ("1682394") or ("1745986") or ("1205135") or ("1576738") or ("0250875") or ("2211401") or ("2563421") or ("20030229943") or ("5461737") or ("5040255") or ("3307207") or ("2996733") or ("2812014") or ("2512007") or ("3719963") or ("3459611") or ("3315283") or ("3255469") or ("3178735") or ("3099021") or ("3070814") or ("3010122") or ("3032782") or ("2862214") or ("2794991") or ("2606996") or ("2585415") or ("2507586") or ("1906893") or ("1865043") or ("0977508") or ("0250875") or ("2168250") or ("3426570") or ("0100958") or ("5327596") or ("2265304") or ("3140340") or ("20020010962") or ("6647574") or ("6212720") or ("5513401") or ("4811439") or ("3920609") or ("3869739") or ("6023803") or ("2784773") or ("2821243") or ("20020144352") or ("20030019043") or ("6128798") or ("5222264") or ("4768253") or ("4476595") or ("4429427") or ("4245363") or ("3493980") or ("3262135") or ("3255469") or ("3178735") or ("3111690") or ("3099021") or ("3010122") or ("2940089") or ("2925856") or ("2927330") or ("2862214") or ("2826769") or ("2673357") or ("2615180") or ("2610333") or ("2606996") or ("2540441") or ("2562099") or ("2507586") or ("2446775") or ("2313443") or ("2273064") or ("2244543") or ("2218478") or ("2217955") or ("2200011") or ("2146059") or ("1955583") or ("4847076") or ("11347433") or | USOCR | OR | OFF | 2004/02/22 15:55 |

S78	2807	box adj beam	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/02/22 17:46

| S79 | 300 | (("6158071") or ("5724686") or ("5636396") or ("3906560") or ("3855653") or ("5787532") or ("5537699") or ("5133116") or ("20020166175") or ("6568014") or ("5062172") or ("4286344") or ("4067076") or ("3981033") or ("3848283") or ("3618146") or ("3262135") or ("2826769") or ("2146059") or ("2047695") or ("2029076") or ("1865043") or ("1870045") or ("1859340") or ("1860293") or ("1801411") or ("1823669") or ("1755714") or ("1760424") or ("1682394") or ("1745986") or ("1205135") or ("1576738") or ("0250875") or ("2211401") or ("2563421") or ("20030229943") or ("5461737") or ("5040255") or ("3307207") or ("2996733") or ("2812014") or ("2512007") or ("3719963") or ("3459611") or ("3315283") or ("3255469") or ("3178735") or ("3099021") or ("3070814") or ("3010122") or ("3032782") or ("2862214") or ("2794991") or ("2606996") or ("2585415") or ("2507586") or ("1906893") or ("1865043") or ("0977508") or ("0250875") or ("2168250") or ("3426570") or ("0100958") or ("5327596") or ("2265304") or ("3140340") or ("20020010962") or ("6647574") or ("6212720") or ("5513401") or ("4811439") or ("3920609") or ("3869739") or ("6023803") or ("2784773") or ("2821243") or ("20020144352") or ("20030019043") or ("6128798") or ("5222264") or ("4768253") or ("4476595") or ("4429427") or ("4245363") or ("3493980") or ("3262135") or ("3255469") or ("3178735") or ("3111690") or ("3099021") or ("3010122") or ("2940089") or ("2925856") or ("2927330") or ("2862214") or ("2826769") or ("2673357") or ("2615180") or ("2610333") or ("2606996") or ("2540441") or ("2562099") or ("2507586") or ("2446775") or ("2313443") or ("2273064") or ("2244543") or ("2218478") or ("2217955") or ("2200011") or ("2146059") or ("1955583") or ("4842026") or ("11247423") or | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2004/02/22 17:46 |

EAST Search History

| S80 | 0 | (box adj beam) and ((("6158071") or ("5724686") or ("5636396") or ("3906560") or ("3855653") or ("5787532") or ("5537699") or ("5133116") or ("20020166175") or ("6568014") or ("5062172") or ("4286344") or ("4067076") or ("3981033") or ("3848283") or ("3618146") or ("3262135") or ("2826769") or ("2146059") or ("2047695") or ("2029076") or ("1865043") or ("1870045") or ("1859340") or ("1860293") or ("1801411") or ("1823669") or ("1755714") or ("1760424") or ("1682394") or ("1745986") or ("1205135") or ("1576738") or ("0250875") or ("2211401") or ("2563421") or ("20030229943") or ("5461737") or ("5040255") or ("3307207") or ("2996733") or ("2812014") or ("2512007") or ("3719963") or ("3459611") or ("3315283") or ("3255469") or ("3178735") or ("3099021") or ("3070814") or ("3010122") or ("3032782") or ("2862214") or ("2794991") or ("2606996") or ("2585415") or ("2507586") or ("1906893") or ("1865043") or ("0977508") or ("0250875") or ("2168250") or ("3426570") or ("0100958") or ("5327596") or ("2265304") or ("3140340") or ("20020010962") or ("6647574") or ("6212720") or ("5513401") or ("4811439") or ("3920609") or ("3869739") or ("6023803") or ("2784773") or ("2821243") or ("20020144352") or ("20030019043") or ("6128798") or ("5222264") or ("4768253") or ("4476595") or ("4429427") or ("4245363") or ("3493980") or ("3262135") or ("3255469") or ("3178735") or ("3111690") or ("3099021") or ("3010122") or ("2940089") or ("2925856") or ("2927330") or ("2862214") or ("2826769") or ("2673357") or ("2615180") or ("2610333") or ("2606996") or ("2540441") or ("2562099") or ("2507586") or ("2446775") or ("2313443") or ("2273064") or ("2244543") or ("2218478") or ("2217955") or ("2200011") or ("2146059") or ("1955583") or ("4842026") or | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/02/22 17:46 |

EAST Search History

S81	1	("6306235").PN.	USPAT; USOCR	OR	OFF	2004/02/22 19:24
S82	9	(("5537669") or ("5687439") or ("5724686") or ("5787532") or ("6023803") or ("6041459") or ("6128798") or ("6263533") or ("6306235")).PN.	USPAT; USOCR	OR	OFF	2004/02/22 19:26
S83	506093	(thermal$3 or heat$3) near4 (bond$3 or fuse$1 or weld$3 or adher$3 or stick$3 or bind$3 or attach$3 or connect$3 or join$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/02/22 19:30
S84	7378	((thermal$3 or heat$3) near4 (bond$3 or fuse$1 or weld$3 or adher$3 or stick$3 or bind$3 or attach$3 or connect$3 or join$3)) near8 (polyethylene or foam or polyurethane or polystyrene)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/02/22 19:34
S85	1	((("5537669") or ("5687439") or ("5724686") or ("5787532") or ("6023803") or ("6041459") or ("6128798") or ("6263533") or ("6306235")).PN.) and (((thermal$3 or heat$3) near4 (bond$3 or fuse$1 or weld$3 or adher$3 or stick$3 or bind$3 or attach$3 or connect$3 or join$3)) near8 (polyethylene or foam or polyurethane or polystyrene))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/02/22 19:39
S86	20	(("2408382") or ("2826769") or ("2940089") or ("3100305") or ("0326135") or ("3618146") or ("3848283") or ("4067076") or ("4075721") or ("4286344") or ("4650251") or ("4677701") or ("4686725") or ("4907308") or ("5048167") or ("5133116") or ("5210890") or ("5239715") or ("5468488") or ("5469590")).PN.	USPAT; USOCR	OR	OFF	2004/02/22 19:37

S87	0	(((("2408382") or ("2826769") or ("2940089") or ("3100305") or ("0326135") or ("3618146") or ("3848283") or ("4067076") or ("4075721") or ("4286344") or ("4650251") or ("4677701") or ("4686725") or ("4907308") or ("5048167") or ("5133116") or ("5210890") or ("5239715") or ("5468488") or ("5469590")).PN.) and (((thermal$3 or heat$3) near4 (bond$3 or fuse$1 or weld$3 or adher$3 or stick$3 or bind$3 or attach$3 or connect$3 or join$3)) near8 (polyethylene or foam or polyurethane or polystyrene))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/02/22 19:39
S88	6	(("2540441") or ("3262135") or ("3869739") or ("4429427") or ("5040255") or ("5327596")).PN.	USPAT; USOCR	OR	OFF	2004/06/07 22:27
S89	49	"0100958"	EPO; JPO; DERWENT	OR	ON	2004/06/07 22:30
S90	2	(("1906893") or ("3010122")).PN.	USPAT; USOCR	OR	OFF	2004/06/07 22:31
S91	1	("3695421").PN.	USPAT; USOCR	OR	OFF	2004/06/07 22:32
S92	1	("4286344").PN.	USPAT; USOCR	OR	OFF	2004/06/07 22:38
S93	1	("5331698").PN.	USPAT; USOCR	OR	OFF	2004/06/07 22:39
S94	1	("6306235").PN.	USPAT; USOCR	OR	OFF	2004/06/08 00:02
S95	131576	(polyethylene or 'thermo-plastic' or (thermo adj plastic) or thermoplastic) and ((thermal$3 or heat$3) near9 (fus$3 or weld$3 or bond$3 or adher$3 or stick$3 or bind$3 or attach$3 or connect$3 or join$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/06/08 00:23

| S96 | 888 | "3262135" "2826769" "2146059" "2047695" "2029076" "1870045" "1860293" "1865043" "1823669" "1859340" "1801411" "1755714" "1760424" "1682394" "1745986" "1576738" "1205135" "0250875" "2211401" "2563421" "3719963" "3459611" "3315283" "3255469" "3178735" "3099021" "3070814" "3032782" "3010122" "2862214" "2794991" "2606996" "2585415" "2507586" "3307207" "2996733" "2812014" "2512007" "6158071" "5724686" "5636396" "3906560" "3855653" "3920609" "3869739" "6023803" "20020010962" "6647574" "6212720" "5513401" "4811439" "3857133" "2821243" "2784773" "20020144352" "20030019043" "6128798" "5222264" "4768253" "4476595" "4429427" "4245363" "3493980" "3262135" "3255469" "3178735" "3099021" "3111690" "3010122" "2940089" "2925856" "2927330" "2862214" "2826769" "2673357" "2615180" "2610333" "2606996" "2562099" "2540441" "2507586" "2446775" "2313443" "2273064" "2244543" "2217955" "2218478" "2200011" "2146059" "1955583" "1906893" "1865043" "0977508" "0250875" "2168250" "3426570" "100958" "5327596" "2265304" "3140340" "4842926" "11247423" "63247027" "5787532" "5537699" "5133116" "20020166175" "6568014" "5062172" "4286344" "4067076" "3981033" "3848283" "3618146" "20030229943" "5461737" "5040255" "5331698" "3695421" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2004/06/08 00:42 |
| S97 | 131576 | (polyethylene or 'thermo-plastic' or (thermo adj plastic) or thermoplastic) and ((((thermal$3 or heat$3) near9 (fus$3 or weld$3 or bond$3 or adher$3 or stick$3 or bind$3 or attach$3 or connect$3 or join$3))) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2004/06/08 00:55 |

| S98 | 49 | ((polyethylene or 'thermo-plastic' or (thermo adj plastic) or thermoplastic) and ((thermal$3 or heat$3) near9 (fus$3 or weld$3 or bond$3 or adher$3 or stick$3 or bind$3 or attach$3 or connect$3 or join$3))) and ("3262135" "2826769" "2146059" "2047695" "2029076" "1870045" "1860293" "1865043" "1823669" "1859340" "1801411" "1755714" "1760424" "1682394" "1745986" "1576738" "1205135" "0250875" "2211401" "2563421" "3719963" "3459611" "3315283" "3255469" "3178735" "3099021" "3070814" "3032782" "3010122" "2862214" "2794991" "2606996" "2585415" "2507586" "3307207" "2996733" "2812014" "2512007" "6158071" "5724686" "5636396" "3906560" "3855653" "3920609" "3869739" "6023803" "20020010962" "6647574" "6212720" "5513401" "4811439" "3857133" "2821243" "2784773" "20020144352" "20030019043" "6128798" "5222264" "4768253" "4476595" "4429427" "4245363" "3493980" "3262135" "3255469" "3178735" "3099021" "3111690" "3010122" "2940089" "2925856" "2927330" "2862214" "2826769" "2673357" "2615180" "2610333" "2606996" "2562099" "2540441" "2507586" "2446775" "2313443" "2273064" "2244543" "2217955" "2218478" "2200011" "2146059" "1955583" "1906893" "1865043" "0977508" "0250875" "2168250" "3426570" "100958" "5327596" "2265304" "3140340" "4842926" "11247423" "63247027" "5787532" "5537699" "5133116" "20020166175" "6568014" "5062172" "4286344" "4067076" "3981033" "3848283" "3618146" "20030229943" "5461737" "5040255" "5331698" "3695421") | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2004/06/08 00:23 |

S99	18886	(polyethylene or 'thermo-plastic' or (thermo adj plastic) or thermoplastic) and (((thermal$3 or heat$3) near9 (fus$3 or weld$3 or bond$3 or adher$3 or stick$3 or bind$3 or attach$3 or connect$3 or join$3)))	USOCR	OR	ON	2004/06/08 00:40
S100	156	"3262135" "2826769" "2146059" "2047695" "2029076" "1870045" "1860293" "1865043" "1823669" "1859340" "1801411" "1755714" "1760424" "1682394" "1745986" "1576738" "1205135" "0250875" "2211401" "2563421" "3719963" "3459611" "3315283" "3255469" "3178735" "3099021" "3070814" "3032782" "3010122" "2862214" "2794991" "2606996" "2585415" "2507586" "3307207" "2996733" "2812014" "2512007" "6158071" "5724686" "5636396" "3906560" "3855653" "3920609" "3869739" "6023803" "20020010962" "6647574" "6212720" "5513401" "4811439" "3857133" "2821243" "2784773" "20020144352" "20030019043" "6128798" "5222264" "4768253" "4476595" "4429427" "4245363" "3493980" "3262135" "3255469" "3178735" "3099021" "3111690" "3010122" "2940089" "2925856" "2927330" "2862214" "2826769" "2673357" "2615180" "2610333" "2606996" "2562099" "2540441" "2507586" "2446775" "2313443" "2273064" "2244543" "2217955" "2218478" "2200011" "2146059" "1955583" "1906893" "1865043" "0977508" "0250875" "2168250" "3426570" "100958" "5327596" "2265304" "3140340" "4842926" "11247423" "63247027" "5787532" "5537699" "5133116" "20020166175" "6568014" "5062172" "4286344" "4067076" "3981033" "3848283" "3618146" "20030229943" "5461737" "5040255" "5331698" "3695421"	USOCR	OR	ON	2004/06/08 00:48

| S10 1 | 304 | (("3262135") or ("2826769") or ("2146059") or ("2047695") or ("2029076") or ("1870045") or ("1860293") or ("1865043") or ("1823669") or ("1859340") or ("1801411") or ("1755714") or ("1760424") or ("1682394") or ("1745986") or ("1576738") or ("1205135") or ("0250875") or ("2211401") or ("2563421") or ("3719963") or ("3459611") or ("3315283") or ("3255469") or ("3178735") or ("3099021") or ("3070814") or ("3032782") or ("3010122") or ("2862214") or ("2794991") or ("2606996") or ("2585415") or ("2507586") or ("3307207") or ("2996733") or ("2812014") or ("2512007") or ("6158071") or ("5724686") or ("5636396") or ("3906560") or ("3855653") or ("3920609") or ("3869739") or ("6023803") or ("20020010962") or ("6647574") or ("6212720") or ("5513401") or ("4811439") or ("3857133") or ("2821243") or ("2784773") or ("20020144352") or ("20030019043") or ("6128798") or ("5222264") or ("4768253") or ("4476595") or ("4429427") or ("4245363") or ("3493980") or ("3262135") or ("3255469") or ("3178735") or ("3099021") or ("3111690") or ("3010122") or ("2940089") or ("2925856") or ("2927330") or ("2862214") or ("2826769") or ("2673357") or ("2615180") or ("2610333") or ("2606996") or ("2562099") or ("2540441") or ("2507586") or ("2446775") or ("2313443") or ("2273064") or ("2244543") or ("2217955") or ("2218478") or ("2200011") or ("2146059") or ("1955583") or ("1906893") or ("1865043") or ("0977508") or ("0250875") or ("2168250") or ("3426570") or ("0100958") or ("5327596") or ("2265304") or ("3140340") or ("4842926") or ("11247423") or ("63247027") or ("5787532") or ("5537699") or ("5133116") or ("20020166175") or ("6568014") or ("5062172") or ("4286344") or ("4067076") or ("3981033") or ("3848283") or ("3618146") or ("20030220043") | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2004/06/08 00:48 |

| S10 2 | 66 | (("3262135") or ("2826769") or ("2146059") or ("2047695") or ("2029076") or ("1870045") or ("1860293") or ("1865043") or ("1823669") or ("1859340") or ("1801411") or ("1755714") or ("1760424") or ("1682394") or ("1745986") or ("1576738") or ("1205135") or ("0250875") or ("2211401") or ("2563421") or ("3719963") or ("3459611") or ("3315283") or ("3255469") or ("3178735") or ("3099021") or ("3070814") or ("3032782") or ("3010122") or ("2862214") or ("2794991") or ("2606996") or ("2585415") or ("2507586") or ("3307207") or ("2996733") or ("2812014") or ("2512007") or ("6158071") or ("5724686") or ("5636396") or ("3906560") or ("3855653") or ("3920609") or ("3869739") or ("6023803") or ("20020010962") or ("6647574") or ("6212720") or ("5513401") or ("4811439") or ("3857133") or ("2821243") or ("2784773") or ("20020144352") or ("20030019043") or ("6128798") or ("5222264") or ("4768253") or ("4476595") or ("4429427") or ("4245363") or ("3493980") or ("3262135") or ("3255469") or ("3178735") or ("3099021") or ("3111690") or ("3010122") or ("2940089") or ("2925856") or ("2927330") or ("2862214") or ("2826769") or ("2673357") or ("2615180") or ("2610333") or ("2606996") or ("2562099") or ("2540441") or ("2507586") or ("2446775") or ("2313443") or ("2273064") or ("2244543") or ("2217955") or ("2218478") or ("2200011") or ("2146059") or ("1955583") or ("1906893") or ("1865043") or ("0977508") or ("0250875") or ("2168250") or ("3426570") or ("0100958") or ("5327596") or ("2265304") or ("3140340") or ("4842926") or ("11247423") or ("63247027") or ("5787532") or ("5537699") or ("5133116") or ("20020166175") or ("6568014") or ("5062172") or ("4286344") or ("4067076") or ("3981033") or ("3848283") or ("3618146") or ("20030220043") | USOCR | OR | OFF | 2004/06/08 00:48 |

EAST Search History

| S10 3 | | 4 | ((polyethylene or 'thermo-plastic' or (thermo adj plastic) or thermoplastic) and (((thermal$3 or heat$3) near9 (fus$3 or weld$3 or bond$3 or adher$3 or stick$3 or bind$3 or attach$3 or connect$3 or join$3)))) and ("3262135" "2826769" "2146059" "2047695" "2029076" "1870045" "1860293" "1865043" "1823669" "1859340" "1801411" "1755714" "1760424" "1682394" "1745986" "1576738" "1205135" "0250875" "2211401" "2563421" "3719963" "3459611" "3315283" "3255469" "3178735" "3099021" "3070814" "3032782" "3010122" "2862214" "2794991" "2606996" "2585415" "2507586" "3307207" "2996733" "2812014" "2512007" "6158071" "5724686" "5636396" "3906560" "3855653" "3920609" "3869739" "6023803" "20020010962" "6647574" "6212720" "5513401" "4811439" "3857133" "2821243" "2784773" "20020144352" "20030019043" "6128798" "5222264" "4768253" "4476595" "4429427" "4245363" "3493980" "3262135" "3255469" "3178735" "3099021" "3111690" "3010122" "2940089" "2925856" "2927330" "2862214" "2826769" "2673357" "2615180" "2610333" "2606996" "2562099" "2540441" "2507586" "2446775" "2313443" "2273064" "2244543" "2217955" "2218478" "2200011" "2146059" "1955583" "1906893" "1865043" "0977508" "0250875" "2168250" "3426570" "100958" "5327596" "2265304" "3140340" "4842926" "11247423" "63247027" "5787532" "5537699" "5133116" "20020166175" "6568014" "5062172" "4286344" "4067076" "3981033" "3848283" "3618146" "20030229943" "5461737" "5040255" "5331698" "3695421") | USOCR | OR | ON | 2004/06/08 00:56 |

| S10 4 | 2 | ((polyethylene or 'thermo-plastic' or (thermo adj plastic) or thermoplastic) and (((thermal$3 or heat$3) near9 (fus$3 or weld$3 or bond$3 or adher$3 or stick$3 or bind$3 or attach$3 or connect$3 or join$3)))) and ((("3262135") or ("2826769") or ("2146059") or ("2047695") or ("2029076") or ("1870045") or ("1860293") or ("1865043") or ("1823669") or ("1859340") or ("1801411") or ("1755714") or ("1760424") or ("1682394") or ("1745986") or ("1576738") or ("1205135") or ("0250875") or ("2211401") or ("2563421") or ("3719963") or ("3459611") or ("3315283") or ("3255469") or ("3178735") or ("3099021") or ("3070814") or ("3032782") or ("3010122") or ("2862214") or ("2794991") or ("2606996") or ("2585415") or ("2507586") or ("3307207") or ("2996733") or ("2812014") or ("2512007") or ("6158071") or ("5724686") or ("5636396") or ("3906560") or ("3855653") or ("3920609") or ("3869739") or ("6023803") or ("20020010962") or ("6647574") or ("6212720") or ("5513401") or ("4811439") or ("3857133") or ("2821243") or ("2784773") or ("20020144352") or ("20030019043") or ("6128798") or ("5222264") or ("4768253") or ("4476595") or ("4429427") or ("4245363") or ("3493980") or ("3262135") or ("3255469") or ("3178735") or ("3099021") or ("3111690") or ("3010122") or ("2940089") or ("2925856") or ("2927330") or ("2862214") or ("2826769") or ("2673357") or ("2615180") or ("2610333") or ("2606996") or ("2562099") or ("2540441") or ("2507586") or ("2446775") or ("2313443") or ("2273064") or ("2244543") or ("2217955") or ("2218478") or ("2200011") or ("2146059") or ("1955583") or ("1906893") or ("1865043") or ("0977508") or ("0250875") or ("2168250") or ("3426570") or ("0100958") or ("5327596") or ("2265304") or ("3140340") or ("4842026") or ("1124742") or | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2004/06/08 00:55 |

| S10 5 | 2 | ((polyethylene or 'thermo-plastic' or (thermo adj plastic) or thermoplastic) and (((thermal$3 or heat$3) near9 (fus$3 or weld$3 or bond$3 or adher$3 or stick$3 or bind$3 or attach$3 or connect$3 or join$3)))) and ((("3262135") or ("2826769") or ("2146059") or ("2047695") or ("2029076") or ("1870045") or ("1860293") or ("1865043") or ("1823669") or ("1859340") or ("1801411") or ("1755714") or ("1760424") or ("1682394") or ("1745986") or ("1576738") or ("1205135") or ("0250875") or ("2211401") or ("2563421") or ("3719963") or ("3459611") or ("3315283") or ("3255469") or ("3178735") or ("3099021") or ("3070814") or ("3032782") or ("3010122") or ("2862214") or ("2794991") or ("2606996") or ("2585415") or ("2507586") or ("3307207") or ("2996733") or ("2812014") or ("2512007") or ("6158071") or ("5724686") or ("5636396") or ("3906560") or ("3855653") or ("3920609") or ("3869739") or ("6023803") or ("20020010962") or ("6647574") or ("6212720") or ("5513401") or ("4811439") or ("3857133") or ("2821243") or ("2784773") or ("20020144352") or ("20030019043") or ("6128798") or ("5222264") or ("4768253") or ("4476595") or ("4429427") or ("4245363") or ("3493980") or ("3262135") or ("3255469") or ("3178735") or ("3099021") or ("3111690") or ("3010122") or ("2940089") or ("2925856") or ("2927330") or ("2862214") or ("2826769") or ("2673357") or ("2615180") or ("2610333") or ("2606996") or ("2562099") or ("2540441") or ("2507586") or ("2446775") or ("2313443") or ("2273064") or ("2244543") or ("2217955") or ("2218478") or ("2200011") or ("2146059") or ("1955583") or ("1906893") or ("1865043") or ("0977508") or ("0250875") or ("2168250") or ("3426570") or ("0100958") or ("5327596") or ("2265304") or ("3140340") or ("4843026") or ("11247423") or | USOCR | OR | ON | 2004/06/08 00:56 |

EAST Search History

S10 6	6	(("2540441") or ("3262135") or ("3869739") or ("4429427") or ("5040255") or ("5327596")).PN.	USPAT; USOCR	OR	OFF	2004/06/08 10:28
S10 7	3	(("1906893") or ("3010122") or ("3695421")).PN.	USPAT; USOCR	OR	OFF	2004/06/08 10:41
S10 8	2	(("4286344") or ("5331698")).PN.	USPAT; USOCR	OR	OFF	2004/06/08 11:50
S10 9	4	(("6306235") or ("2826769") or ("5724686") or ("5787532")).PN.	USPAT; USOCR	OR	OFF	2004/06/08 11:52
S11 9	2122	(polyurethane or urethane) with weld$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/10/13 12:57
S12 0	80693	(polyurethane or urethane) with foam	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/10/13 12:59
S12 1	589	S119 and S120	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/10/13 12:57
S12 2	423	((polyurethane or urethane) with foam) near30 weld$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/10/13 13:01
S12 3	107	(urethane with foam) near30 weld$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/10/13 13:01
S12 4	5880	urethane near6 ('thermo-plastic' or (thermo adj plastic) or thermoplastic)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/10/13 13:42
S12 5	249	(428/309.9).CCLS.	USPAT	OR	OFF	2005/10/13 13:42
S12 6	2049	((5/716-721) or (5/654.1) or (5/655.9) or (5/655.7) or (5/642)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/10/17 05:18

EAST Search History

S12 7	5880	urethane near6 ('thermo-plastic' or (thermo adj plastic) or thermoplastic)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/10/17 05:28
S12 8	5880	S127	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/10/17 05:18
S12 9	2	S126 and S127	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/10/17 05:19
S13 0	287	(urethane near6 ('thermo-plastic' or (thermo adj plastic) or thermoplastic)) with foam	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/10/17 05:23
S13 1	15	S130 same (cushion or mattress)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/10/17 05:29
S13 2	10	S130 same (weld$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/10/17 05:25
S13 3	3799	urethane near2 ('thermo-plastic' or (thermo adj plastic) or thermoplastic)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/10/17 05:29
S13 4	2	S126 and S133	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/10/17 05:29
S13 5	6	S133 same (mattress)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/10/17 05:31
S13 6	16	S133 and S130/$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/10/17 05:32

S13 7	6	(("1906893") or ("2540441") or ("3869739") or ("4429427") or ("5040255") or ("5327596")).PN.	US-PGPUB; USPAT	OR	OFF	2005/10/17 07:17
S13 8	4505	box adj beam	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/27 01:23
S13 9	37	S138 and ("5"/$ or "297"/$).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/27 01:24
S14 0	1	("5787532").PN.	US-PGPUB; USPAT	OR	OFF	2006/03/11 16:27

| S14 1 | 107 | (("3307207") or ("2996733") or ("2812014") or ("2512007") or ("3719963") or ("3459611") or ("3315283") or ("3255469") or ("3178735") or ("3099021") or ("3070814") or ("3032782") or ("3010122") or ("2862214") or ("2794991") or ("2606996") or ("2585415") or ("2507586") or ("20020010962") or ("6023803") or ("6647574") or ("6212720") or ("5513401") or ("4811439") or ("3920609") or ("3869739") or ("2821243") or ("2784773") or ("20030019043") or ("20020144352") or ("6128798") or ("5222264") or ("4429427") or ("4768253") or ("4476595") or ("4245363") or ("3493980") or ("3111690") or ("2925856") or ("2673357") or ("2615180") or ("2610333") or ("2562099") or ("2540441") or ("2446775") or ("2313443") or ("2218478") or ("2217955") or ("1955583") or ("1906893") or ("0977508") or ("2168250") or ("3426570") or ("0100958") or ("5327596") or ("2265304") or ("3140340") or ("4842926") or ("11247423") or ("63247027") or ("59202844") or ("59142137") or ("3695421") or ("5331698") or ("3171660") or ("5724686") or ("5636396") or ("3855653") or ("5787532") or ("3857133") or ("6158071") or ("20020166175") or ("5062172") or ("4067076") or ("3981033") or ("3848283") or ("3618146") or ("2273064") or ("2244543") or ("2200011") or ("2146059") or ("2047695") or ("2029076") or ("1682394") or ("1576738") or ("1205135") or ("2211401") or ("2563421") or ("3906560") or ("3262135") or ("5537699") or ("5133116") or ("6568014") or ("1870045") or ("1865043") or ("1860293") or ("1859340") or ("1760424") or ("1755714") or ("1745986") or ("4286344") or ("1823669") or ("1801411") or ("2940089") or ("2927330") or ("2826769") or ("0250875") or ("20030229943") or ("4234983") or ("5461737") or ("5040255")) PN. | US-PGPUB; USPAT | OR | OFF | 2006/03/11 17:16 |

EAST Search History

S14 2	15163	inject$5 near7 foam	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/11 17:16
S14 3	0	S141 and S142	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/11 17:16
S14 4	40	(inject$5 near7 foam) same mattress	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/11 17:16
S14 5	4	(("5787532") or ("0906893") or ("3010122") or ("5040255")).PN.	US-PGPUB; USPAT	OR	OFF	2006/03/11 18:36
S14 6	866	(5/716-721).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/04/01 18:57
S14 7	1199	((5/716-721) or (5/654.1) or (5/655.9) or (5/655.7) or (5/642)).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/04/02 19:36
S14 8	35	("2408382"|"2826769"|"2940089"|"3100305"|"3618146"|"3848283"|"0326135"|"4067076"|"4075721"|"4286344"|"4650251"|"4677701"|"4686725"|"4907308"|"5048167"|"5133116"|"5210890"|"5239715"|"5468488"|"5469590"|"5537669"|"5687439"|"5724686"|"5787532"|"6023803"|"6041459"|"6128798"|"6263533"|"6306235").PN.	USPAT; USOCR	OR	ON	2006/04/02 19:46
S14 9	1	("0780450").PN.	US-PGPUB; USPAT	OR	OFF	2006/04/02 19:51
S15 0	1	("5537699").PN.	US-PGPUB; USPAT	OR	OFF	2006/04/02 19:51
S15 1	1	("5537669").PN.	US-PGPUB; USPAT	OR	OFF	2006/04/02 19:53
S15 2	1	("5467488").PN.	US-PGPUB; USPAT	OR	OFF	2006/04/02 19:54
S15 3	1	("5468488").PN.	US-PGPUB; USPAT	OR	OFF	2006/04/02 19:55
S15 4	1	("4907309").PN.	US-PGPUB; USPAT	OR	OFF	2006/04/02 19:56
S15 5	1	("4907308").PN.	US-PGPUB; USPAT	OR	OFF	2006/04/02 19:57

EAST Search History

S15 6	1	("3262135").PN.	US-PGPUB; USPAT	OR	OFF	2006/04/02 19:58
S15 7	1	("0780450").PN.	US-PGPUB; USPAT	OR	OFF	2006/04/02 19:58
S15 8	5	((foam near25 weld$3) same mattress).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/26 01:57
S15 9	34	("2192601" | "3047888" | "3210781" | "3833259" | "3885258" | "4463466" | "4686725" | "4777855" | "4999868" | "5022111" | "5136740" | "5138730" | "5163194" | "5317768" | "5469590" | "5787532").PN. OR ("6023803").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/23 14:40
S16 0	874	(5/716-721).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/06/23 15:38
S16 1	378	((5/654.1) or (5/655.9) or (5/655.7) or (5/642)).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/06/23 16:01
S16 2	0	pillow same facilitate same sexual same pleasure	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/23 16:01
S16 3	0	pillow same sexual same pleasure	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/23 16:02
S16 4	18	pillow same sexual	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/23 16:02